Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS ONE CAPITOL HILL PROVIDENCE RI 02908

CREATION DATE: 30-JUL-13 BID NUMBER: 7479366-2

TITLE: FISH FOOD

0

BLANKET START : 01-AUG-13 BLANKET END : 30-JUN-16

BID CLOSING DATE AND TIME:16-AUG-2013 10:00:00

DOA CONTROLLER
ONE CAPITOL HILL, 4TH FLOOR
SMITH ST
PROVIDENCE, RI 02908

401-574-8110

BUYER: Melillo, Charlotte A

T US

L

PHONE #:

Requistion Number: 1314105

H DEM-GREAT SWAMP FIELD HEADQUARTERS 277 GREAT NECK ROAD WEST KINGSTON, RI 02892

Line	Description	Quantity	Unit	Unit Price	Total
	8/01/13 - 6/30/16				
	FISH FOOD PER ATTACHED SPECIFICATIONS.				
	PRICE MUST INCKLUDE SHIPPING CHARGES NO SUB-CONTRACTING PERMITTED.				
	FOR QUESTIONS CONCERNING THIS BID, EMAIL charlotte.melillo@purchasing.ri.gov				
	DELIVERY TO: 424 HATCHERY ROAD NORTH KINGSTON RI 02852				
	ALL FLOATING FISH FOOD MUST FLOAT FOR A MINIMUM OF ONE HOUR				
1	5.5MM OR 7.5 MM ABERNANTHY TROUT DIET FLOWING LOW PHOSPHORUS 40 LB BAG	8,200.00	Each		
2	4.5MM ABERNANTHY TROUT DIET FLOWING LOW PHOSPHORUS 40 LB BAG	500.00	Each		
3	3.5MM ABERNANTHY TROUT DIET FLOWING LOW PHOSPHORUS 40 LB BAG	310.00	Each		
4	2.5MM ABERNANTHY TROUT DIET FLOWING LOW PHOSPHORUS 40 LB BAG	250.00	Each		
5	1.5MM ABERNANTHY TROUT DIET FLOWING LOW PHOSPHORUS 40 LB BAG	150.00	Each		
6	2.0MM ABERNANTHY TROUT CRUMBLES 40LBS BAG	100.00	Each		
7	1.6 MM ABERNANTHY TROUT CRUMBLES 40LBS BAG	50.00	Each		
8	#2 CRUMBLES SOFT MOIST 40 LB BAG	25.00	Each		
9	#1 CRUMBLES SOFT MOIST 40 LB BAG	15.00	Each		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

Page 2 of 2

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WEST KINGSTON PLASSES

WEST KINGSTON, RI 02892

T O

Line	Description	Quantity	Unit	Unit Price	Total
10	STARTER MASH SOFT MOISE 40 LB BAG	5.00	Each		
11	ATLANTIC SALMON EXTRUDED SLOW SINKING 1.0MM 40 LB BAG	15.00	Each		
12	ATLANTIC SALMON EXTRUDED SLOW SINKING 2.0MM 40 LB BAG	15.00	Each		· · · · · · · · · · · · · · · · · · ·
13	ATLANTIC SALMON EXTRUDED SLOW SINKING 3.0MM 40 LB BAG	50.00	Each		
14	ATLANTIC SALMON EXTRUDED SLOW SINKING 4.0MM 40 LB BAG	50.00	Each		
15	ATLANTIC SALMON EXTRUDED SLOW SINKING 5.0MM 40 LB BAG	50.00	Each		
16	ATLANTIC SALMON BROOD DIET 5.5 TO 9.MM 40LBS BAG	50.00	Each		
17	ABERNANTHY BROOD FEED 40LBS BAG	50.00	Each		

Delivery:		_	
•			
Terms of Payment:			

State of Rhode Island
Department of Environmental Management
Division of Fish & Wildlife

Request for Trout Fish Food Blanket Order: Particulars:

All floating feeds are to be shipped shrink-wrapped on pallets in 40 lb. bags. All sinking feeds are to be shipped shrink-wrapped on pallets in 50 lb. bags.

Unless otherwise noted; fish food shall be Abernathy Dry, floating, extruded feed, and extruded slow sinking Atlantic Salmon feed. 100% of the units shall float for a period of not less than 60 minutes. Fish food must be manufactured by the vendor and may not be sub-contracted out.

The manufacturer must supply receipts and source of all fish meal for this diet. The manufacturer must supply samples of each diet prior to awarding of the contract to demonstrate the floatability as stated above. Pricing of the fish food on this contract must include shipping to the selected facility.

See specifications and fish food formulations attached.

Formulation Specifications (Mash, #1 and #2 Crumbles) Abernathy Diet

1. Fish food mixture shall be composed of the following items. Final products to carry the following guarantee:

Crude Protein Fish Meal Protein Crude Fat Moisture Phosphorus	not less than 48% not less than 40.5% not less than 17% or more tha not more than 10% at sack-off .9%		
stored at manufacturers plant indicated by date of bill of ladir	moisture10%, maximum salt 3º no longer than 6 months as		Percent 58 <u>1/</u>
	d whey, minimum protein 12%, mum ash 19%, maximum salt 3 12%.	%	5
4. Soluble spray dried blood minimum protein 80%	flour or flash dried blood meal		10
5. Condensed fish solubles, r	minimum protein 30%		3
or poultry by-product meal, prote fat maximum 12%, ash maximum aximum 4%, fiber maximum moisture not less than 3.5% or additional fish meal may be us	num 16%, acid insoluble ash 2 %, free fatty acids maximum r more than 8%	1%	1.5
6. Wheat standard middlings minimum protein 15%, maxim	, wheat mill run, or wheat shorts um fiber 9.5%	i, remainder	<u>1/</u>

continued

Formulation Specifications (Mash, #1 and #2 Crumbles) Abernathy Diet

7. Vitamin Pre-mix (see specifications)	Percent 1.5
8. Choline chloride, 60% product	0 .58 <u>1/</u>
9. Ascorbic Acid	0 2 <u>1/</u>
10. Trace mineral mixture (See specifications)	1#/ton
11. Lignin sulfonate pellet binder	2
12. Calcium propionate	2.5# /TON
13. Fish oil stabilized with 0.02% BHA-BHT (1:1) or 0.01% ethoxyquin, less than 3% free fatty acids, nitrogen less than 1%, moisture less than 1%. The antioxidant must be added at the tim of reprocessing if reprocessed oil is used. Anchovy oil not acceptable. Peroxide value less than 10 meg peroxide per kg. oil	e 12 1/
acceptable. Feloxide value less than to med peroxide per kg. of	1 = _11

1/ Fish meal may be decreased depending upon protein content but must provide not less than 40.5% fish protein per hundred pounds. Quantity of added oil may be adjusted so that the finished feed shall not contain not less than 17% crude fat. Wheat middlings, mill run or shorts may be adjusted to compensate for the above variation. Not more than 50% of the added oil is to be applied to the granules as a top dressing, the rest is to be included in the feed mix Wet Choline chloride may be substituted providing the guaranteed potency is met.

soybean lecithin may be used at not more than 2% with fish oil

2/ Ascorbic acid to be added to the diet as follows:

guaranteed potency (100% active ingredient) Source 0 2% of diet (2000ppm) L-Ascorbic Acid, crystalline

Or

L-Ascorbic Acid -2-polyphosphate (stay-C) 0.05% of diet (500ppm)

Or

0 15% of diet (1500ppm) Coated Ascorbic Acid

(Aqua-Stable, AS-165-70)

Continued

1/ Choline chloride, ascorbic acid, and vitamin pre-mix are to be stored separately and never pre-blended before adding to the feed Certified vitamin pre-mix to be supplied by recognized manufacturer other than the feed contractor and must show date of preparation. The vitamin pre-mix to be used is not to be held in storage longer than 3 months after the date of preparation.

The vitamin pre-mix concentrate is to be made with wheat by-product base. Rice, oat, or soybean products are not acceptable.

Formulation Specifications (#3 and #4 Sinking Crumbles)

Floating Pellets

(1.5mm., 2.5mm., 3.5mm., 4.5mm., 5.5mm., 7.5mm.) Abernathy Diet

1. Fish food mixture shall be composed of the following items. Final products to carry the following guarantee:

Crude Protein, Fish meal protein, Crude Fat, Moisture Phosphorus	not less than 45% not less than 33% not less than 16% or more than 17 not more than 10% at sack-off .9%	7% Percent
Maximum salt, 4%, stored at ma	protein 67.5%	0% nonths
3. Dried whey product or dried maximum moisture 6 %, maxim or wheat flour, minimum protein 12	um ash 19%, maximum salt 3%	5.0
4. Wheat germ meal, minimum	protein 23%, minimum fat 7%	5.0
5. Wheat standard middlings, v minimum protein 15%, maximum		ainder <u>1/</u>
6. Soluble spray dried blood flooin minimum protein 80%.	our, or flash dried blood meal,	7.5
7 Feather meal, hydrolyzed, r pepsin digestibility 75%	ninimum protein 80%, minimum	5.0
8 Condensed fish solubles, m	inimum protein 30%	3 0

Formulation Specifications (#3, and #4 sinking crumbles) Floating Pellets (1.5mm., 2.5mm., 3.5mm., 4.5mm., 5.5mm., 7.5mm.,) Abernathy diet

Or	Percent
Poultry by-product meal, protein not less than 60% or more than 68%, fat maximum 12%, ash maximum 16%, acid insoluble ash maximum 4% fiber maximum 2%, free fatty acids maximum 1%, moisture not less than 3.5% or more than 8% Or Additional fish meal may be used to furnish 0.9% protein	1.5
Additional field fried that be used to furnish 5.576 proton.	
9. Vitamin Premix (see specifications)	15
10. Trace mineral mixture (see specifications)	2#/Ton
11 Choline chloride, 60% product	0.58 <u>1/</u>
12. Ascorbic Acid.	0.2 <u>2/</u>
13. Lignin sulfonate pellet binder	2.5# / Ton
15. Fish oil stabilized with 0.02% BHA-BHT (1:1) or 0.01% ethoxyquin, less than 3% free fatty acids, nitrogen less Than 1%, moisture less than 1%. The antioxidant must be added At the time of reprocessing if reprocessed oil is used. Peroxide value-less than 10Meq peroxide per Kg oil. Or Soybean lecithin may be used at not more than 2% with fish oil.	9 1/

- 1/ Fish meal may be decreased depending upon protein content but must provide not less than 33% fish protein per hundred pounds. Quantity of added oil may be adjusted so that the finished feed shall contain not less than 15% crude fat. Wheat middlings, mill run or shorts may be adjusted to compensate for the above adjustments. Not more than 50% of the added oil is to be applied to the granules as a top dressing, the rest is to be included in the feed mix. Wet Choline chloride may be substituted providing the guaranteed potency is met.
- 2 / Ascorbic acid to be added to the diet as follows:

Source	Guaranteed potenc	y (100% active ingredients)
L-Ascorbic acid, o	rystalline	0.2% of diet (2000 ppm.)
Or		
L-Ascorbic-2-poly	phosphate (Stay-C)	0.5% of diet (500 ppm.)
Or		
Coated ascorbic a		0.15% of diet (1500 ppm.)
(Aqua-stable, AS-	-165-70)	

Formulation Specifications (7.5 mm. and 9.5 mm. Pellets) Broodstock Pellets Floating Pellets

- 1. Fish food must be a dry floating, extruded feed, that shall meet or exceed the following specifications:
- 2. Fish food mixture shall be composed of the following items. Final product to carry the following guarantee

Crude protein, not less than 40% Crude fat, not less than 10% not more than 3 % not more than 12%

3. Ingredients: fish meal, soybean meal, blood meal, wheat flour fish oil lecithin, L-Ascorbyl-2-polyphosphate (vitamin C), Choline chloride, Biotin, Folic acid, Niacin, d-Calcium pantothenate (Pantothenic acid), Pyridoxine hydrochloride (pyridoxine), Riboflavin, Thiamine mononitrate (Thiamine), Vitamin B12 supplement, Vitamin A acetate (vitamin A), D-activated animal sterol (Vitamin D3), di -Alpha tocopheryl acetate (vitamin E), Menadione sodium bisulfite complex (vitamin K3), Manganese sulfate, Copper sulfate, Potassium iodate, Ethylenediamine dihydro-iodide, Zinc sulfate, Ethoxyquin (preservative), Canthaxanthin, Lignin sulfonate (binder).

Specifications for Vitamin Premix No. 2 1/ Guaranteed Potency

Vitamin	Mg/lb. Pr	emix mg/Ton c	of feed Source limitation
d-Biotin		540.0	
B-12	1.8	54.0	
E	15,200.0 IU	456,000.0 IU	Water dispersible Alpha tocopheryl Acetate
Folacin	500.0	15,000.0	Folic acid
Myo-inositol	4,000.0	120,000.0	Not phytate
K	278.0	8,340.0	Menadione sodium Bisulfate complex (843 mg.)
Niacin	6,670.0	200,100.0	
d-Pantothenic Acid	3,200.0	96,000.0	d-Calcium Pantothenate (3,478 mg.) Or d-L Calcium Pantothenate (6,957 mg.)
B-6	935.0	28,050.0	Pyriodoxine HCL (1,1,36 mg.)
Riboflavin	1,600.0	48,000.0	
Thiamin	1,300.0	39,000.0	Thiamin monomitrate (1,414 mg.)
Vitamin D stabilized 3	13,335.0 IU	400,050.0 IU	
Vitamin A activity stabilized	200,000.0 IU	6,000,000.0	IU Palmitate or Acetate
Ethoxyquin	3,000.0	90.000.0 9.	

Specifications for Vitamin Premix No. 2 1/

1/ Choline chloride and Ascorbic acid will not be part of the packaged vitamin premix but shall be blended into the final mixture separate from each other and the vitamin premix. Choline chloride, Ascorbic acid, and Vitamin Premix are to be stored separately and never pre-blended before adding to the feed. Certified vitamin premix to be supplied by a recognized manufacturer other than the feed contractor and must show date of preparation. The Vitamin Premix to be used is not to be held in storage longer than 3 months after the date of preparation.

The Vitamin Premix concentrate is to be made with wheat byproduct base. Rice, oat or soybean products are not acceptable.

Specifications for Trace Mineral Premix

Mineral	Guaranteed analysis of Element (grams per lb. of mineral mix)	Source Limitation
Zinc	34.0 g. of zinc	(ZnSO 4)
Manganese	9.1 g. of Manganese	(MnSO4)
Copper	0.7 g. of Copper	(CuSO4)
Iodine	4 54 g of lodine	EDDI

An inert carrier may be added to make up the mixture to a pound.

Extruded Slow Sinking Atlantic Salmon Feed

Specifications;

- 1 Mash: #1, #2, #3, #4
- 2 Pelleted;

Sizes 1 mm (#2, #3), 2mm. (#4), 3 mm. (1/8), 4 mm (5/32), 5mm. (3/16), 6.0mm. (1/4), 8.0 mm. (5/16), 10.0 mm (3/8L)

	Guaranteed	Typical
Protein –	45	45 %
Fat -	23	25%
Fiber -	3	1%
Ash -	12	9 %

Moisture – less than 10%

Vitamin A - not less than 10,000 IU/kg.

Vitamin D – not less than 500 IU/kg.

Vitamin E - not less than 250 IU/kg.

Ingredients:

Fish meal, wheat flour, blood meal, stabilized fish oil, hydrolyzed feather meal, wheat germ, dried whey, Vitamin A -acetate, D-Activated Animal Sterol (D3), Vitamin b-12 Supplement, Riboflavin Supplement, Niacin, Folic Acid, Menadione Sodium Bisulfate Complex, Calcium pantothenate, Pyridoxine Hydrochloride,

Thiamine, Biotin, DL-Alphatocopherol (E), L-ascobyl-2-polyphosphare (Vitamin C), Choline Chloride, Cobalt sulfate, Copper Sulfate, Ferrous sulfate, Manganese sulfate, Ethylenediamine dihydroiodide, Ethoxyquin (Anto-Oxidant), added mineral matter not more than 2.50%

Manufacturing Specifications

- 1. The contractor shall manufacture the fish food required herein, in production period not to exceed 30 days prior to delivery
- 2.Good manufacturing practices: the contractor's mill, equipment, and manufacturing procedures must comply with the FDA's "Good Manufacturing Practices". Prepared by Robert A. Wilcox, Grain Science and Engineering, Kansas State University, Manhattan, Kansas.
- 3. Vitamin Premix preparation and blending: the vitamin premix shall be added into the batch mixer midway in the loading of the feed ingredients. If the premix is in a concentrated form, it must be diluted with cereal ingredients contained within the diet to a quantity of not less than 1.5% of the diet. The blend shall be sized to pass through a U.S. No. 30 screen.
- 4 Weighing and mixing:
- a. The weighing systems must be of a suitable size and accuracy for their purposes. Proper weighing techniques must be used in weighing ingredients into the mix. Production run records must be maintained and provide the following information:
 - 1 Diet formulation
 - 2. Batch size
 - 3. Identification and weight of each ingredient used in the feed
 - 4. Mix date and batch number
- b. The feed mixer may be of a conventional type with proper clean out—features. The mixing time shall be controlled for proper mixing. Fish meal and other bagged ingredients shall be pre-blended from bags taken at random from car or warehouse.
- 5. Grinding: Ingredients shall be carefully ad thoroughly mixed and pulverized. Granule mixture to pass 100% through a U.S. No. 20 screen and 90% through a U.S. No. 30 screen. All other mixtures to pass 100% through a U.S. No. 16 screen and 90% through a U.S. No. 20 screen.
- 6. Pelleting:
- a, The feed mixtures hall be processed into pellets, using live dry steam to produce the proper textured pellets. The pellets must be soft enough for the fish to take and retain, yet firm enough to hold together in packaging, transporting, storage, and when placed in water.

Continued

1/ All granules and pellets to be top dressed (spray coated) with fish oil as defined in the formulations. Prior to bagging, all granules and pellets must be re-screened through a course screen to remove lumps.

6.Pelleting:

b, The granules and pellets shall be sized to contain not less than 90% correct particles. Dust content (dust defined as particles passing through a 595 micron screen) not to exceed 2.5% at manufacturers plant or 4% at point of delivery. All other specifications must conform at point of delivery.

U.S. Screen Size

30

Standard Pellet Sizes

1.5 mm. = 1.5 millimeter x 1.5 millimeter
2 5 mm. = 2.5 millimeter x 2.5 millimeter
3.5 mm. = 3.5 millimeter x 3.5 millimeter
4.5 mm. = 4.5 millimeter x 4.5 millimeter
5.5 mm. = 5.5 millimeter x 5.5 millimeter
7.5 mm. = 7.5 millimeter x 7.5 millimeter
9.5 mm. = 9.5 millimeter x 9.5 millimeter

Standard Granule Sizes Granule Size Starter to pass through 595 microns to pass over 420 microns

Otalitei	to pass over	420 microns	40
No. 1 granules	to pass through	841 microns	20
	to pass over	595 microns	30
No. 2 granules	to pass through	1.19 mm.	16
	to pass over	841 microns	20
No. 3 granules	to pass through	2.0 mm.	10
	to pass over	1.19 mm.	16
No. 4 granules	to pass through	3.36 mm.	6
	to pass over	2.00 mm.	10

^{7.} Bagging and loading: The pellets and granules are not to be bagged or loaded for bulk delivery until cooled to 10 degrees F. above ambient air temperature and dried to a moisture content of 10% or less. The pellets and granules shall be bagged in new multi-wall 40 or 50 pound capacity bags with a special polyethylene lining to prevent leakage of oil.

Manufacturing Specifications (Continued)

Bagging and Loading (continued): After being filled, the bags should be sewn closed. The net weight of the feed in each bag shall be 50 pounds at delivery Each bag shall be labeled with tags that are coded as to pellet or granule size. Such tags shall also be printed to show pellet size, diet identification, and date of manufacture.

8. Delivery: a All deliveries of fish food made under this contract are to be made only by authorized carriers or contractor owned trucks holding permits or certificates from appropriate regulatory bodies

b. All pelleted feed is to be loaded on suitable trucks at the feed mill and delivered to the hatchery on the same trucks unless otherwise specified in the bidding schedule. This requirement does not apply to granules.

9 Analysis of finished feed: a. Analysis by a certified independent analytical laboratory of finished feed from each production batch will be provided by the vendor, if requested. b. A portion of each finished feed sample as determined by the government inspector will be provided to the inspector along with the manufacturer's sample identification number. c. Finished feed will be considered unacceptable when crude fat levels are less than 95% of the guaranteed minimum or crude protein levels are less than 97% of the guaranteed minimum.

- 10. Contamination: The ingredients and finished feeds shall be wholesome and clean materials free of noxious chemical and foreign materials.
- 11. Quality control and inspection: a. All ingredients shall be manufacturer's best quality from present or immediate past season stock and suitable for animal feeding. Adulteration or contamination of ingredients or final product must be avoided. All equipment must be cleaned as needed to prevent contact with residual particles from other operations and to keep these diets free from mold, dirt, and debris. The vendor is responsible for quality control and must designate a person who detects and rejects products that fail to meet specifications. b. the contracting officer, or authorized fish food inspector has the authority to inspect the contractor's plant facilities, food manufacturing equipment, ingredient and finished feed storage facilities, inventories of ingredients, invoices from suppliers during the contract period. Contractor will be notified immediately of contract violations, followed by written confirmation of said violations. Rejections will be issued by the contracting officer in writing based on such violations reported by quality control inspector, or authorized fish food inspector.

Contract Terms and Conditions

Table of Contents

Terms and Conditions.	X
BID STANDARD TERMS AND CONDITIONS	
TERMS AND CONDITIONS FOR THIS BID	X
PURCHASE AGREEMENT BID	X
RIVIP INFO - BID SUBMISSION REQUIREMENTS	X
DELIVERY PER AGENCY	

Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

PURCHASE AGREEMENT BID

BIDDING (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordering during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. ORDERING (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

RIVIP INFO - BID SUBMISSION REQUIREMENTS

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

DELIVERY PER AGENCY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.